

MINISTRY OF THE INTERIOR, EGYPT.

Department of Public Health.

THIRTEENTH
ANNUAL REPORT OF THE
OPHTHALMIC SECTION, 1925.

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THIRTEENTH ANNUAL REPORT OF THE OPHTHALMIC SECTION, 1925.

FOREWORD.

The number of the Ophthalmic Hospitals administered by the Department of Public Health in Egypt increased during 1925 four hospitals. In 1924 there were twenty-five hospitals, twenty of which were permanent and five travelling. During 1925, the two large travelling ophthalmic hospitals No. 4 and 5 provided by the Government were opened for treatment as well as the two ophthalmic clinics maintained by Menûfiya Provincial Council at Menûf and Ashmûn, therefore the number of ophthalmic hospitals reached twenty-nine units.

The building of the Memorial Ophthalmic Laboratory, adjoining Fuâd 1st Ophthalmic Hospital at Gîza, was also completed, equipped and opened. The money for its construction had been granted by the Imperial War Graves Commission as a memorial to the men of the Egyptian Labour Corps and Camel Transport Corps who fell in the Great War. The Government paid L.E. 2,000 for its initial equipment. This laboratory undertakes the clinical researches and examines the pathological and clinical specimens of eye diseases, whether these specimens are sent by ophthalmic hospitals or oculists.

It is worthy to mention that the more the number of ophthalmic hospitals increases, the greater need for them appears. This is proved by the annual increased ratio of patients in comparison with the number of hospitals existing.

The Department is determined to exercise all possible endeavours towards increasing the ophthalmic hospitals steadily and surely until they become sufficient to meet the great needs of the country. Therefore, large travelling ophthalmic hospitals are claimed annually in the budgetary proposals of the Department as it has been found through long experience that the travelling ophthalmic hospitals, in view of their movements to the markazes or towns distant from the permanent hospitals, are the best means to express to the people the benefits of seeking for the early treatment of their eyes and the importance of taking care of their vision. These travelling ophthalmic hospitals had been and are still one of the important factors that prompt the Provincial Councils and the notables to subscribe for establishing ophthalmic hospitals in their towns. Moreover, these travelling ophthalmic hospitals were the foundation upon which the Ophthalmic Section was built on its present condition and the first campaign commenced against Ophthalmias in Egypt in 1903, as well as the only means of conveying the treatment to the doors of the patients whose poverty and remote villages often prevent them from seeking treatment. This fact is proved by statistics which showed that 68 per cent of the patients treated were inhabitants of the town or markaz in which the hospital is situated. It is therefore obvious that the increasing of such hospitals is quite necessary.

During 1926, branches for regular ophthalmic treatment are expected to be established in the general hospitals at the markazes of Mallawi and Mit Ghamr as well as in the towns of Fikrieh at Abu Kirkas Markaz, Berim at Kom Hamada and Derin at Talkha. This is in execution to the present principle of the Department that every hospital built in future at any markaz where there is neither general nor ophthalmic hospital should be a general hospital with ophthalmic branch.

It is pleasing to mention that during 1925, the building and equipping of a large ophthalmic hospital has been started at Alexandria on the expenses of Abram Bey Adda, one of the rich notables of the city. This hospital will be the largest of all ophthalmic hospitals as it will contain, in addition to its large out-patients department, about 110 beds for special, 1st, 2nd, and 3rd classes beds.

At Maghagha the building of an ophthalmic hospital has begun, with money from Minya Provincial Council.

It has been decided in principle to establish a large permanent ophthalmic hospital at Rod-el-Farag (one of the most populous quarters of Cairo) on the site upon which the present travelling ophthalmic hospital exists. The purpose of providing this hospital is to increase and facilitate the treatment of the inhabitants of Cairo more adequately than at present.

It has been also decided in principle to build a general hospital with an ophthalmic branch at Luxor as well as ophthalmic branches in the General Hospitals of Aswân, Suez

and Esna. The State Buildings Department actually began to draw the usual plans for these projects in preparation to start their building.

PATIENTS.

During 1925 there were 236,903 new patients and 7,925 in-patients treated, 126,254 operations performed and 2,276,735 attendances of out-patients recorded. These figures if compared with those of the previous year will show an increase of more than 23 per cent in the new patients, 33 per cent in the in-patients, 21 per cent in the operations and 20 per cent in the attendances of out-patients. This increase undoubtedly shows the increasing confidence of people in the ophthalmic hospitals' treatment.

During 1925—25,559 persons or 10·4 per cent of all patients examined were found to be blind in one or both eyes. This percentage although still high, yet it is less than that of last year. It is, however, gradually falling since 1919, during which this percentage was 15·3 per cent as shown in Table XIV. The definition of blindness followed at the ophthalmic hospitals is the inability to count fingers held up at a distance of one meter.

The pathological causes of blindness are detailed in Table XII, where it is clearly noted that acute ophthalmias form about 76 per cent of all causes. The attack of acute ophthalmia is characterised by being very rapid and destructive. Therefore, whenever its signs appear, treatment should be sought at once. Treatment of acute ophthalmias is by painting with silver nitrate solution 2 per cent and constant washing of the eye with eusol solution. The conjunctival sac is to be washed a few times from the irrigator as well with some eusol solution. Constant washes (number of days' treatment) for such cases were 347,055 during 1925.

Microscopical examination showed that the gonococcus still causes the largest proportion of infection with acute ophthalmias as was the case in the past.

OPHTHALMIC CLINICS AT GOVERNMENT PRIMARY SCHOOLS.

The Ophthalmic Section carries out the examination, inspection and treatment required for all pupils of Primary Schools in the Capital towns of the provinces in which there are ophthalmic hospitals as well as for Mohammed Ali and Abbâsiya (old Hussanieh) at Cairo and Moharram Bey and Ras el Tin at Alexandria. The number of these schools is now seventeen containing 8,045 pupils examined, 91 per cent of all pupils were found to be infected with the various stages of trachoma while more than 23 per cent of their total were found attacked with the serious stages of trachoma (stages I and II), but this latter percentage fell down to 5 per cent as a result of the ophthalmic treatment. This good result denotes that it is necessary to generalise the ophthalmic treatment at schools. This goes with the increase of the ophthalmic hospitals and the availability of the medical officers required for them.

It is also shown in the statistics that 34 per cent of the pupils have insufficiently good vision to attain the lowest visual standard required for candidates to the permanent posts of Government service (6/12 in each eye or 6/6 in one and 6/18 in the other). The vision of some of the above has improved by means of spectacles, so that 273 pupils attained the standard of vision required for Government permanent service. Therefore, the visual standard adopted in passing the Government Medical Commissions' examinations is not so difficult as some imagine.

TREATMENT OF PUPILS OF OTHER PRIMARY SCHOOLS.

The Medical Officers of the travelling and permanent ophthalmic hospitals situated in the markazes and some Governorates have examined the eyes of pupils of all the Primary Schools in the Capital of the markaz or the Governorate and recommended that pupils requiring treatment for trachoma, operations for other complications in their eyes or refraction for spectacles, be sent to the ophthalmic hospitals at certain times for treatment. The number of schools whose pupils were treated in this way in 1925 was eleven.

EXPENDITURES OF PROVISION AND MAINTENANCE OF OPHTHALMIC HOSPITALS.

The capital expenditure involved in the provision and equipment of the twenty-eight hospitals (Alexandria Branch excluded) has been L.E. 124,200 of which more than L.E. 28,000 were paid by the Government, L.E. 60,700 by public subscription and the rest by Provincial Councils and Municipalities.

The annual cost of maintenance in 1924–1925 including the cost of Central Administration and the expenses of the ophthalmic clinics at the primary schools, was L.E. 47,848 as shown in the detailed lists appended to this report which are significant of great economical management. The expenses per day for the out-patient were 16·9 mills., while the in-patient costs 28·4 mills. more, being the price of his ration per day.

THE OPHTHALMOLOGICAL SOCIETY OF EGYPT.

The annual meeting of the Ophthalmological Society of Egypt was held at the Memorial Ophthalmic Laboratory, Gîza, on Friday, March 5, 1926. Most of the Medical Officers of the Ophthalmic Section attended as usual. There were 84 members and some visitors. Sixteen papers were read, twelve of them by members of the staff on the following subjects:—

An intractable case of keratitis of ? nature which has received treatment for nine years ; membranous conjunctivitis ; tuberculosis of the conjunctiva and lacrimal glands ; some hints on cataract extraction operation ; inflammation of the central artery of the retina of specific nature with recovery ; angioid streaks of the retina ; a case of congenital cystic globe ; description of two cases of idiosyncrasy ; the operative treatment of post operative lagophthalmos by Thiersch graft ; a case of traumatic left ophthalmoplegia totalis and paresis of right arm ; a case of sympathetic ophthalmia treated successfully with sod. salicylate in large doses and some remarks on the causes of glaucoma.

Also some cases were exhibited by the members.

TABLE I.—WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1925.

1. IN-PATIENTS : TOTAL NUMBER	7,925
(Number of available beds 510).	
Number of diets issued	142,229
2. OPERATIONS :—	
I. Major :—	
(a) Senile cataract	1,205
(b) Soft cataract	354
(c) Trichiasis or entropion	47,988
(d) Other operations	11,689
TOTAL	61,236
II. Minor (including mechanical treatment of trachoma)	65,018
GRAND TOTAL, major and minor operations	126,254
3. OUT-PATIENTS :—	
I. Incurable	4,640
II. Postponed	5,228
III. Tickets issued, <i>i.e.</i> new cases	236,903
IV. Old cases	2,029,964
V. Visits made by patients to hospital for treatment (equal I + II + III + IV)	2,276,735
VI. Average number of visits made to hospital by each patient under regular treatment (old cases + tickets issued) ÷ tickets issued. The factor of incurable cases is neglected	9·6
VII. Discharges :—	
(a) Cured	56,574
(b) Relieved	15,028
(c) Incurable	1,805
(d) Spontaneously ceased to attend after having attended only once	33,011
(e) Spontaneously ceased to attend after having attended more than once	86,260

N.B.—3. I. Incurable cases do not receive tickets, but are recognized as soon as seen by the surgeon as both incurable and devoid of surgical interest.

vii. (c) Incurable cases include those which are recognized as soon as seen by the surgeon as incurable but are given tickets for statistical or other purposes.

TABLE II.—LIST OF DISEASES (*continued*).

<i>Conjunctiva</i> (contd.) :—																
Pterygium	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,259
Pinguecula	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	442
Xerosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	644
Symblepharon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	161
Dermoid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24
Other conditions :—																
Argyrosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	156
Colloid and hyaline degeneration	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	35
Hypertrophied caruncle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	141
Injuries (foreign bodies, burn, etc.)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	280
Cyst	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	41
<i>Eyelids</i> :—																
Pediculus ciliaris	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	463
Trichiasis and entropion	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	48,830
Distichiasis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	148
Ectropion	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	497
Lagophthalmos	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	889
Blepharitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20,084
Coloboma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Emphysema	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Hordeolum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,240
Wart	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	189
Chalazion	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,241
Eczema	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	373
Rodent ulcer	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
Dermoid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	38
Ptosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	362
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
Herpes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27
Chancre	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
Epithelioma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
Other tumours	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	56
Leucodermia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Injuries	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	112
<i>Lacrimal Apparatus</i> :—																
Lacrimal fistula	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	147
Stenosis of the duct	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	101
Dacryocystitis, acute	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	103
„ chronic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,702
Cyst of lacrimal gland	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
<i>Cornea</i> :—																
Ulcerations, simple	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12,452
„ hypopyon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	591
„ perforation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2794
„ special forms	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	175
Pannus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29,167
Keratitis, interstitial	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
„ trachomatous	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	526
Nebula or leucoma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84,520
Adherent leucoma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12,750
Totally opaque cornea	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,393
Staphyloma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,535
Xerosis of cornea	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	481
Abscess of cornea...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	38
Conical cornea	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	975
Injuries (burn, foreign bodies, etc.)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	887

TABLE II.—LIST OF DISEASES (*continued*).

<i>Lens</i> (contd.) :—															
Cataract, dislocated, congenital ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
Aphakia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	785
Secondary cataract ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	196
Ectopia lentis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Subluxation of lens ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
<i>Vitreous</i> :—															
Opacities... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	133
Foreign bodies ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
Synchisis scintillans ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Muscles</i> :—															
Strabismus, alternating ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	712
„ convergent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,044
„ divergent... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,511
Heterophoria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	123
Nystagmus ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	990
Paralysis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	39
<i>Glaucoma</i> :—															
Primary, acute ...	} Including absolute glaucoma caused by acute, sub-acute or chronic glaucoma.														30
„ sub-acute ...															144
„ chronic ...															3,087
Secondary ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4,645
<i>Globe</i> :—															
Shrunken globe ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7,653
Buphthalmos ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	48
Exophthalmic goitre ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
Panophthalmitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	254
Microphthalmos ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
Anophthalmos ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22
Injury ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	181
<i>Orbit</i> :—															
Tumours ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25
Cellulitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
Tenonitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
Periostitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
Injuries ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	22
Cyst, frontal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
„ ethmoidal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
Contracted socket... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
Fly-blown ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12
<i>Blind</i> :—															
In one eye ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19,422
In both eyes (*) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6,137

(*) Patients are accounted blind who cannot count fingers at one metre.

TABLE IV.—LIST OF OPERATIONS (*continued*).

TOTAL brought forward														123,011
<i>Lens</i> (contd.): ---														
For membrane after extraction :—Discission														754
For soft cataract :—														
Extraction														6
Discission														76
Curette evacuation														270
Paracentesis														2
For membrane after evacuation :—														
Discission														60
Capsulotomy														11
<i>Globe</i> :—														
Trephining of cornea-sclera with iridectomy														991
Trephining														15
Excision														509
Evisceration														247
Paracentesis														82
<i>Orbit</i> :—														
Exenteration														5
For tumour														20
For dermoid														9
For cellulitis														4
For cyst, frontal														—
„ ethmoidal														—
Tenotomy and advancement														25
Other major operations														148
Trial with magnet :—														
Positive														4
Negative														5
TOTAL														126,254

TABLE V.—NUMBER OF PATIENTS TREATED AND OPERATIONS PERFORMED AT THE OPHTHALMIC HOSPITALS DURING 1925.

Hospitals.	No of Patients.	Hospitals.	No. of Operations.
No. 1, Rôd el Farag	24,927	No. 1, Rôd el Farag	11,328
Gîza	21,615	Gîza	8,633
Alexandria	13,891	Tanta	7,117
Asyût	10,788	Sohâg	6,138
Tanta	10,664	Asyût	5,807
Port Said	9,937	Benha	5,520
Shibîn el Kôm	9,094	Shibîn el Kôm	5,213
Minya	9,090	Minya	4,869
Beni Suef	8,973	No. 3, T.O.H.	4,799
Sohâg	8,958	Asyût P.C.T.O.H.	4,598
Zagazig	8,279	Alexandria	4,527
Benha	7,652	Zagazig	4,317
No. 5, T.O.H.	7,119	Qena	4,288
Mansûra	6,995	No. 2, T.O.H.	4,170

TABLE V.—NUMBER OF PATIENTS TREATED AND OPERATIONS PERFORMED AT THE
OPHTHALMIC HOSPITALS DURING 1925 (*continued*).

Hospitals.	No. of Patients.	Hospitals.	No. of Operations.
Santa	6,928	Menûf	4,053
Suez... ..	6,926	Faiyûm	3,957
Faiyûm	6,879	Beni Suef	3,939
Asyût, P.C.T.O.H.	6,473	Daqahliya, P.C.T.O.H.	3,745
Mahalla el Kubra... ..	6,206	Santa	3,658
Daqahliya, P.C.T.O.H.	6,200	Mansûra	3,458
Qena	5,623	Kafr el Zaiyât	3,341
Menûf	5,428	Mehalla el Kubra	3,335
No. 3, T.O.H.	5,402	No. 5, T.O.H.	2,991
No. 2, T.O.H.	5,325	Damanhûr	2,786
Damanhûr	5,010	Suez	2,750
Kafr el Zaiyât	5,002	Port Said	2,465
Damietta	4,777	Damietta	2,458
No. 4, T.O.H.	2,379	No. 4, T.O.H.	1,787
Ashmûn	363	Ashmûn	207

N.B.—Number of working months :—

	Months.	Days.
Ashmûn (opened on December 26, 1925)	—	6
No. 5, T.O.H. (opened on September 15, 1925)	3	16
No. 4, T.O.H. (opened on September 12, 1925)	3	19
Daqahliya, P.C.T.O.H.	10	29
Asyût, P.C.T.O.H.	11	—
No. 3, T.O.H.	11	6
No. 2, T.O.H.	11	11
Menûf (opened on January 17, 1925)	11	15
Other hospitals	12	—

TABLE VI.—AVERAGE NUMBER OF OPERATIONS PER MONTH AT ALL OPTHALMIC
HOSPITALS DURING 1925.

Hospitals.	Major.	Hospitals.	Minor.
No. 1, Rôd el Farag	441	Ashmûn	875
No. 5, T.O.H.	431	No. 1, Rôd el Farag	503
Gîza	383	No. 5, T.O.H.	424
Sohâg	313	Tanta	347
Tanta	246	Gîza	336
Benha	235	No. 4, T.O.H.	263
Asyût	233	Asyût	251
Asyût, P.C.T.O.H.	233	Alexandria	234
No. 4, T.O.H.	224	Benha	225
Shibîn el Kôm	212	Shibîn el Kôm	222
No. 3, T.O.H.	211	Minya	222
Beni Suef	200	No. 3, T.O.H.	217
Qena	185	Menûf	211
No. 2, T.O.H.	184	Sohâg	198
Minya	184	Daqahliya, P.C.T.O.H.	188
Zagazig	182	Asyût, P.C.T.O.H.	185
Mansûra	178	No. 2, T.O.H.	184
Faiyûm	172	Zagazig	178
Ashmûn	160	Qena	172
Daqahliya, P.C.T.O.H.	156	Mehalla el Kubra	171
Santa	145	Santa	160
Alexandria	143	Faiyûm	158
Menûf	141	Kafr el Zaiyât	149
Kafr el Zaiyât	129	Port Said	147
Damanhûr	121	Suez	131
Mahalla el Kubra... ..	107	Beni Suef	128
Suez... ..	98	Damietta	125
Damietta	80	Damanhûr	111
Port Said	58	Mansûra	110

TABLE VII.—NEW PATIENTS TREATED ACCORDING TO THE AGE AT WHICH THEY SOUGHT
TREATMENT.

AGE.	No. of Patients.
Under one year	14,592
From 1 to 5 years	33,456
„ 6 „ 10 „	24,128
„ 11 „ 15 „	22,852
„ 16 „ 20 „	18,564
„ 21 „ 25 „	17,754
„ 26 „ 30 „	19,222
„ 31 „ 35 „	18,476
„ 36 „ 40 „	15,638
„ 41 „ 45 „	14,678
„ 46 „ 50 „	11,114
„ 51 „ 55 „	8,020
„ 56 „ 60 „	7,239
„ 61 „ 65 „	5,019
„ 66 „ 70 „	3,382
Over 70 years	2,769
TOTAL	236,903

TABLE VIII.—NEW PATIENTS TREATED PER MONTH.

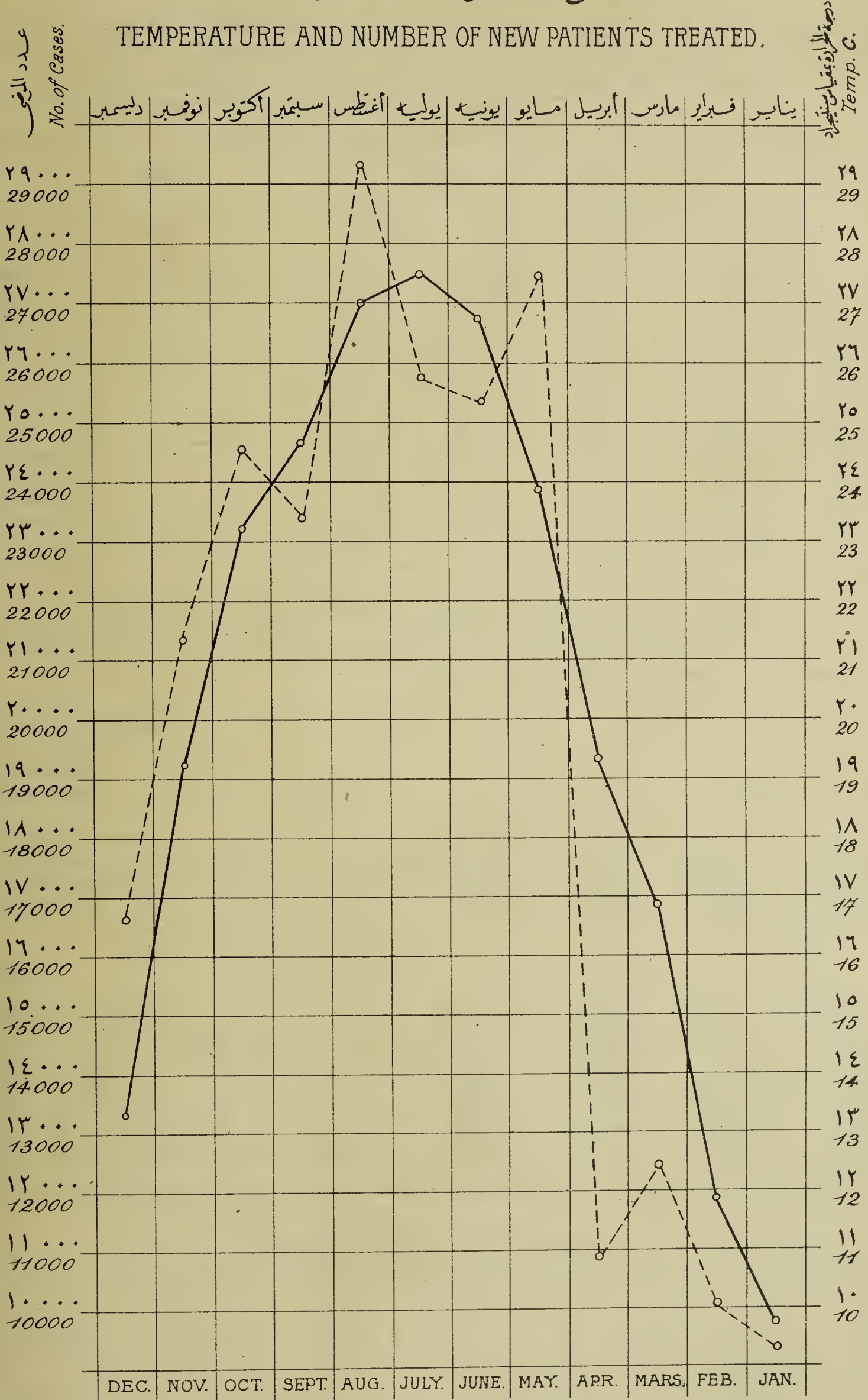
January	9,449
February	10,142
March	12,419
April	10,927
May	27,440
June	25,420
July	25,764
August	29,322
September	23,424
October	24,596
November	21,344
December	16,656
TOTAL	236,903

Table IX.

(جدول رقم ٩)

الطقس وعدد المرضى المستجدين الذين عولجوا

TEMPERATURE AND NUMBER OF NEW PATIENTS TREATED.



معدل درجة الحرارة بمقياس سنتيغراد } (١)
 Average temperature in degrees Centigrade } a.

المرضى المستجدون الذين عولجوا شهرياً } (ب)
 New patients treated per month } b.

TABLE X.—AVERAGE TEMPERATURE.

The average temperature was arrived at by taking one place in Lower Egypt (Qurashîya), one place in Cairo (Gîza), and one place in Upper Egypt (Asyût) and obtaining an average figure from the mean temperature at each place on each month. This is shown in the following table, the reading being in degrees centigrade.

Month.	Qurashîya.	Gîza.	Asyût.	Average.
January	10·0	9·7	9·8	9·8
February	11·6	11·6	12·6	11·9
March	15·6	16·4	18·8	16·9
April	17·5	18·4	22·0	19·3
May	21·9	23·0	26·8	23·9
June	24·9	25·9	29·3	26·7
July	26·4	26·7	29·4	27·5
August	25·8	26·4	28·8	27·0
September	23·5	23·9	26·4	24·6
October	22·2	22·3	25·0	23·2
November	18·9	18·8	19·9	19·2
December	13·1	12·9	14·2	13·4

TABLE XI.—SYNOPSIS OF WORK OF HOSPITALS SINCE THE YEAR 1922.

	1922	1923	1924	1925
Hospitals in existence :—				
Travelling	5	5	5	8
Permanent	16	18	20	21
New patients treated	133,750	156,837	192,555	236,903
Total attendances of out-patients	1,510,020	1,664,791	1,885,429	2,276,735
Operations performed	76,035	82,466	103,582	126,254
In-patients	4,798	4,995	5,916	7,925
Details :—				
Patients examined	147,492	174,004	206,342	246,771
Patients regularly treated	133,750	156,837	192,555	236,903
Incurable cases	6,582	7,859	6,858	6,445
Blind in one eye	12,524	14,394	16,535	19,422
Blind in both eyes	4,850	5,146	5,716	6,137
Trichiasis cases examined	32,720	31,405	37,433	41,716
Trichiasis eyes operated on and cured	30,869	33,904	42,279	47,988

TABLE XII.—CAUSES OF BLINDNESS.

A.—Congenital	20
B.—Acquired :—	
I.—Conjunctivitis resulting in :—	
(a) Total corneal opacity	8,393
(b) Shrunken globe	7,653
(c) Secondary glaucoma	4,248
(d) Other conditions	939
Carried forward	21,253

TABLE XII.—CAUSES OF BLINDNESS (*continued*).

<i>Brought forward</i>														21,253
2.—Fundus :—														
(a)	Optic atrophy...	...	...	...	...	...	...	...	...	...	...	...	...	181
(b)	Optic neuritis	...	...	...	...	...	...	...	...	...	...	...	...	22
(c)	Retinitis pigmentosa	...	...	...	...	...	...	...	...	...	...	...	...	27
(d)	Detachment of retina	...	...	...	...	...	...	...	...	...	...	...	...	66
(e)	Other diseases of fundus	...	...	...	...	...	...	...	...	...	...	...	...	181
3.—Glaucoma, Primary :—														
	Monocular (including absolute No. 827)	...	...	...	...	...	...	...	...	...	...	...	...	1,138
	Binocular (including absolute No. 856)	...	...	...	...	...	...	...	...	...	...	...	...	1,173
4.—Cataract														2,469
5.—Injury														361
6.—Operation														64
7.—Infectious disease														33
8.—Iritis endogenous														432
9.—Various														575
TOTAL														27,975

TABLE XIII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1922	1923	1924	1925
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
<i>Permanent Hospitals :—</i>				
Tanta	8·78	8·06	7·98	8·22
Asyût	14·32	14·25	11·58	7·87
Mansûra	18·79	18·54	17·10	16·07
Beni Suef	17·55	17·34	15·91	15·16
Zagazig	11·58	10·47	11·26	13·16
Damanhûr	9·49	9·75	9·14	8·55
Shibîn el Kôm	9·06	8·23	9·63	8·59
Sohâg	13·74	11·77	18·39	22·20
Minya	19·04	17·41	11·01	13·14
Faiyûm	14·17	10·30	10·23	10·33
Benha	9·67	10·91	11·52	9·06
Alexandria	9·67	6·99	7·41	6·99
Port Said	3·00	2·76	6·12	4·64
Qena	—	14·97	18·99	14·70
Damietta	—	16·70	7·55	5·67
Gîza	—	—	8·88	8·16
Suez	—	—	10·21	8·33
Mehalla el Kubra	8·65	7·07	8·42	7·91
Kafr el Zaiyât	9·34	6·77	7·43	7·17
Santa	12·55	12·46	8·92	7·32
Menûf	—	—	—	5·98
<i>Travelling Hospitals :—</i>				
No. 1. Travelling, Rôd el Farag	12·30	12·22	11·88	11·42
No. 2. Travelling :—				
Gîza	13·03	12·88	15·53	—
Fakûs	—	—	16·12	21·27
Disûk	—	—	—	10·48

TABLE XIII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES (*continued*).

	1922	1923	1924	1925
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
No. 3. Travelling :—				
Aswân	16·36	12·32	13·12	12·73
Luxor	8·90	—	—	—
Esna	—	12·63	—	21·28
Edfû	—	—	16·69	—
No. 4. Travelling, El Suff	—	—	—	16·00
No. 5. Travelling, Beni Mazar	—	—	—	11·16
Asyût, Travelling :—				
Manfalût	—	5·87	—	6·41
Deirût	—	7·64	—	10·44
Mallawi	9·70	—	11·27	16·00
Abnûb	—	5·87	6·05	—
Abu Tîg	14·10	11·21	9·33	9·61
Badari	6·22	—	7·63	—
Daqahlîya, Travelling :—				
Mit-Ghamr	9·60	—	3·43	—
Matarîya	—	6·21	—	—
Dikirnis	—	12·67	8·94	10·97
Fariskûr	10·18	—	7·86	—
Aga	—	13·09	—	9·09
Simbillawein	20·29	19·85	5·36	10·72
Manzala	—	—	—	9·73
Menûfiya, Travelling :—				
Ashmûn	—	—	—	14·70

TABLE XIV.—BLINDESS AMONG OUT-PATIENTS SINCE 1909.

Year.	Total Number of patients examined.	One eye.		Both eyes.		One eye and both eyes.	
		Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
1909...	22,373	2,116	9·4	1,385	6·1	3,501	15·6
1910...	25,506	2,438	9·5	2,010	7·8	4,448	17·4
1911...	31,274	3,196	10·2	2,811	8·9	6,007	19·2
1912...	43,668	4,115	9·4	2,824	6·4	6,939	15·8
1913...	62,233	5,360	8·6	3,878	6·2	9,238	14·8
1914...	75,398	6,425	8·5	3,591	4·7	10,016	13·2
1915...	71,930	5,637	7·8	2,992	4·2	8,629	12·0
1916...	94,447	7,042	7·4	3,504	3·7	10,546	11·2
1917...	100,410	9,385	9·3	4,611	4·6	13,996	13·9
1918...	90,668	8,969	9·9	4,261	4·7	13,230	14·6
1919...	83,577	8,537	10·2	4,278	5·1	12,815	15·3
1920...	108,113	9,833	9·1	5,154	4·7	14,987	13·8
1921...	127,223	10,566	8·3	5,053	3·9	15,619	12·2
1922...	147,492	12,524	8·5	4,850	3·3	17,374	11·8
1923...	174,004	14,394	8·3	5,146	2·9	19,540	11·2
1924...	206,342	16,535	8·0	5,716	2·8	22,251	10·8
1925...	246,771	19,422	7·9	6,137	2·5	25,559	10·4
TOTAL ...	1,711,429	146,494	8·6	68,201	3·9	214,695	12·5

The definition of blindness adopted here is that proposed by Trousseau, that is to say inability to count fingers held up at a distance of one metre.

TABLE XV.—YEARLY PERCENTAGE OF BLINDNESS AMONG OPHTHALMIC HOSPITALS
PATIENTS SINCE THE YEAR 1909.

Year.	Per Cent of blindness in one or both eyes.
1909	15·6
1910	17·4
1911	19·2
1912	15·8
1913	14·8
1914	13·2
1915	12·0
1916	11·2
1917	13·9
1918	14·6
1919	15·3
1920	13·8
1921	12·2
1922	11·8
1923	11·2
1924	10·8
1925	10·4

N.B.—It is to be noted that there is a gradual decrease in the percentage of blindness since 1919.
The definition of blindness adopted here is that proposed by Trousseau, that is to say inability to count fingers held up at a distance of one metre.

TABLE XVI.—PRIMARY GLAUCOMA.

Acute	30
Subacute... ..	144
Chronic	3,087
TOTAL	3,261
Total number of patients examined	246,771
Per cent of glaucoma cases	1·32
Per cent of absolute glaucoma cases	·68
Operations :—	
Iridectomy	753
Trephine with iridectomy	991

* Including 1,683 absolute monocular and binocular.

TABLE XVII.—PATHOLOGICAL REPORT.

TISSUES HARDENED, SECTIONS CUT AND EXAMINED MICROSCOPICALLY AT THE
MEMORIAL OPHTHALMIC LABORATORY DURING 1925.

LIDS :—																				
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Tumours :—																				
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20
CARUNCLE :—																				
Inflammation...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
CONJUNCTIVA :—																				
Inflammation...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	35
Degeneration	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
Tumours :—																				
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
LIMBUS :—																				
Tumours :—																				
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
CORNEA :—																				
Wounds	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Tumours :—																				
Benign	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
SCLEROTIC :—																				
Wounds	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
IRIS AND CILIARY BODY :—																				
Wounds	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	41
Aniridia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
LENS :—																				
Cataract	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
CHOROID :—																				
Inflammation...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Degeneration including ossification	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Tumours :—																				
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
																187				
Carried forward																187

TABLE XVIII.—WASSERMANN TEST.

Positive	54
Doubtful	3
Negative	195
Unfit	85
TOTAL	337

TABLE XIX.—RESULT OF EXAMINATION FOR DIPHTHERIA SPECIMENS.

Positive	87
Negative	569
Overgrown	33
Sterile	232
TOTAL	921

TABLE XX.—NUMBER OF BEDS AT THE OPHTHALMIC HOSPITALS.

Hospitals.	1st.	2nd.	3rd.
No. 1 Travelling	—	—	30
No. 2 Travelling	—	—	20
No. 3 Travelling	—	—	15
No. 4 Travelling	—	—	14
No. 5 Travelling	—	—	14
Tanta	—	—	28
Asyût	1	—	43
Mansûra	—	—	34
Beni Suef	—	—	22
Zagazig	—	—	26
Damanhûr	—	—	28
Shibîn el Kôm	—	—	20
Sohâg	—	—	20
Minya	—	—	21
Faiyûm	—	—	10
Benha	—	—	22
Alexandria	—	—	31
Port Said	—	—	6
Qena	—	—	23
Damietta	—	—	22
Gîza	—	—	30
Suez... ..	—	—	8
Daqahlîya	—	—	12
Santa	—	—	10
TOTAL	I	—	509

TABLE XXI.—COST OF UNIFORM DIETS FOR THE IN-PATIENTS OF THE OPHTHALMIC HOSPITALS DURING 1925 EXCLUDING COST OF RATIONS OF EMPLOYEES.

Hospitals.	Number of Diets issued.	Total cost (1).	Cost per day per head.
		L. E.	MILLS.
Beni Suef	7,061	276	39·05
Shibîn el Kôm	5,481	206	38·01
Damanhûr	5,361	187	34·94
No. 3 Camp, Aswân and Esna... ..	4,451	150	33·65
Sohâg	6,155	196	31·82
Qena	7,253	228	31·38
Daqahliya Travelling, Simbellawein, Dikirnis, Manzala and Aga (2)	3,387	105	31·00
Minya	7,012	212	30·26
Tanta	8,125	244	29·99
Santa (2)... ..	3,657	108	29·56
Mansûra	8,810	256	29·07
Faiyûm	4,599	133	28·87
Benha	5,828	153	26·28
Zagazig	7,987	195	24·41
Gîza	10,681	246	23·03
Asyût	12,727	290	22·82
No. 1 Camp, Rôd el Farag	6,934	146	21·10
No. 2 Camp, Fakûs and Disûk	5,175	98	18·99
TOTAL	120,684	3,431	28·43

(1) Fuel excluded.
(2) Rations of these hospitals are not supplied by contractors but bought locally.

Scale of full diet as given to all in-patients at all Ophthalmic Hospitals.

	Grammes.
Bread	600
Beef	150
Vegetables	150
Lentils... ..	75
Rice	75
Milk	200
Native butter (Samna Baladi)	15
Sugar	30
Salt	20

TABLE XXII.—SOURCES OF PROVISION OF HOSPITALS.

Hospitals.	Date at which opened.	Government Grant.	Public Subscription or Private benefaction.	Provincial Council or Municipality.
		L.E.	L.E.	L.E.
No. 1 Travelling (retained in Cairo for provision of clinical facilities for teaching) ...	1904	—	1,000	—
No. 2 Travelling	1905	—	1,000	—
Tanta	1908	8,463	—	—
Asyût	1911	8,817 and site	5,004	—
Mansûra	1912	—	5,000	—
Beni Suef	1912	—	4,000	—
Asyût Travelling	1912	—	—	720
Zagazig	1913	—	—	4,285
Mehalla el Kubra	1913	—	—	2,400
Kafr el Zaiyât	1913	—	—	2,200
Daqahlîya Travelling	1913	—	—	720
Damanhûr	1914	—	—	5,000
Shibîn el Kôm	1914	—	5,422	—
Sohâg	1914	960	4,000	—
Minya	1915	—	—	5,500
Santa	1915	—	—	2,600
Faiyûm	1916	Site.	—	4,000
No. 3 Travelling (for Upper Egypt, Esna to Aswân, until Aswân Permanent Hospital is built)	1918	—	—	1,500
Benha	1920	—	14,000	—
Alexandria : Ophthalmic Branch	1920	Annexed to General Hospital.		
Port Said	1921	1,000	—	1,000
Qena	1923	—	12,400	2,800
Damietta : Ophthalmic Branch	1923	1,000	240	—
		Transferred in 1925 to its special building annexed to the new General Hospital built at Government expenses.		
Fouad I Govt. Ophthalmic Hospital, Gîza ...	1924	3,000 and site	8,668	600
Suez : Ophthalmic Branch under canvas annexed to General Hospital	1924	1,000	—	—
No. 4 Travelling	1925	2,000	—	—
No. 5 Travelling	1925	2,000	—	—
Menûf	1925	—	—	950
Ashmûn	1925	—	—	950
Memorial Ophthalmic Laboratory, Gîza ...	1925	2,000	6,600	—
TOTAL		30,240	67,334	35,226

TABLE XXIII.—ACTUAL EXPENDITURE 1924-1925.—(A) CENTRAL ADMINISTRATION.

Chapter.	Grant.	Expenditure.
	L.E.	L.E.
Pensionable Staff	5,112	3,872 ⁽¹⁾
Hors Cadre Staff	300	270
Transport, Transfer and Travelling Allowance	1,200	410
Telephones	23	}
Telegrams	10	
Petty Expenses	10	
TOTAL	6,655	4,552

(1) This figure is low owing to the vacancy of post of Director for nine months from April 1 until December 31, 1924, one of the Inspectors receives half pay with private practice and another Inspector receives pay of Grade IV, on Grade III.

(2) Included in the general expenditure of the various units of the whole Department.

TABLE XXIV.—ACTUAL EXPENDITURE 1924-1925.—(B) GOVERNMENT OPHTHALMIC HOSPITALS

Chapter.	Grant.	Total Actual Expenditure.
	L.E.	L.E.
Pensionable Staff	13,883	12,177
Hors Cadre Staff	9,149	9,644 ⁽¹⁾
Ophthalmic Allowance	576	370
Transport, Transfer and Travelling Allowance	1,916	1,334
Food	5,154	4,819
Forage	62	63
Water	481	395
Light	200	188
Disposal of Sewage	80	35
Heating	(²)	371
Rent	100	—
Telegrams and Telephones	195	130
Stores :—		
General Equipment		4,923
Surgical Equipment		317
Instruments	(²)	468
Drugs		3,033
Dressings		685
Transport of Stores	600	250
Petty Expenses	375	237
TOTAL		39,439 ⁽³⁾

(1) The increase of expenditure to the grant is due to the new regrading of the posts of chief attendants during 1924-1925.

(2) No special grant for the Ophthalmic Hospitals. The grant is for the various units of the whole Department.

(3) Excluding repairs, being omitted as the credit is at the disposal of the Public Works Ministry and no return is made.

TABLE XXV.—ACTUAL EXPENDITURE 1924-1925.—(B) GOVERNMENT OPHTHALMIC HOSPITALS (PER UNIT).

CHAPTER.	No. 1 Camp.		No. 2 Camp.		No. 3 Camp.		Tanta.		Asyût.		Mansûra.		Beni Suef		Zagazig.		Damanhûr.		Shebin el Kôm.		Sohâg.		Minya.		Faiyûm.		Benha.		Alexandria Oph. Branch and Schools.		Port-Saïd.		Qena.		Darnietta.		Giza.		Suez.		Cairo Schools.		TOTAL.		
	L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		L.E.		
Pensionable staff ...	575		857		443		947		1,044		814		707		687		492		653		593		706		707		613		552		311		641		276		321		130		108		12,177		
Hors cadre staff ...	651		729		615		557		606		557		473		539		488		548		511		514		469		475		213		357		539		218		432		60		93		9,644		
Ophthalmic allowance ...	42		64		6		6		66		—		—		36		—		—		—		—		—		—		30		—		—		—		42		36		42		370		
Transport, transfer and travelling allowance ...	82		93		212		96		179		8		92		56		34		94		21		25		29		48		11		27		77		39		67		44		—		1,334		
Food ...	315		137		251		317		348		324		416		269		261		293		288		283		186		253		10		19		316		28		479		26		—		*4,819		
Forage ...	27		5		13		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		18		—		63		—		
Water ...	6		—		9		53		41		11		57		67		31		48		—		3		—		36		—		—		—		33		—		—		—		395		
Light ...	—		—		—		27		41		22		25		—		20		—		—		—		—		—		—		—		—		—		53		—		—		188		
Disposal of sewage	—		—		—		4		—		4		—		3		—		—		—		—		24		—		—		—		—		—		—		—		—		35		
Heating ...	90		—		—		30		—		17		—		31		—		30		26		94		17		9		—		—		27		—		—		—		—		371		
Telegrams and telephones...	21		—		—		9		10		11		10		9		9		10		9		10		10		12		—		—		—		—		—		—		—		130		
Stores:—																																													
General equipment	569		166		373		266		469		173		321		183		208		79		238		281		236		169		—		154		213		94		399		332		—		4,923		
Surgical	80		—		—		24		38		9		19		6		6		29		—		—		26		—		—		—		14		4		1		61		—		317		
"instruments ...	47		5		28		20		7		13		12		25		19		9		—		24		8		58		—		20		5		9		124		35		468				
Drugs ...	228		158		127		206		198		191		227		79		72		113		256		182		173		117		—		120		195		60		291		40		—		3,033		
Dressings ...	61		23		7		67		53		6		44		33		20		36		35		32		39		28		—		62		41		24		67		7		—		685		
Transport of stores	—		150		100		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		—		250		
Petty expenses ...	46		4		13		10		9		18		15		18		13		11		9		10		14		8		—		2		12		1		21		3		—		237		
TOTAL ...	2,840		2,391		2,197		2,639		3,109		2,178		2,418		2,041		1,673		1,953		1,986		2,164		1,938		1,826		816		1,072		2,113		753		2,315		774		243		39,439		

* Including cost of butter supplied by Central Stores.

TABLE XXVI—ACTUAL EXPENDITURE 1924-1925.—(C) PROVINCIAL COUNCIL OPHTHALMIC HOSPITALS.

CHAPTER.	GHARBŪYA.					ASYŪT.		DAQAHLŪYA.		MENŪFŪYA.	
	Grant.	Expenditure.	Expenditure per Unit.			Grant.	Expenditure.	Grant.	Expenditure.	Menŭf.	
			Mahalla el Kubra.	Kafr el Zaŭyât.	Santa.					Grant.	Expenditure.
Employees	810	957	338	313	306	192	218	234	312	252	74
Servants	474	536	149	140	247	96	130	240	248	153	9
Transport and travelling allowance	45	46	7	14	25	—	63	100	96	18	13
Food	100	110	—	—	110	—	—	160	105	—	—
Water... ..	—	—	—	—	—	L.E. 220 for dépenses diverses (no details).					
Light and heating	26	32	2	3	27	4	4	35	11	10	2
Stores :—											
Equipment... ..	420	118	41	35	42	47	8	200	200	300	—
Instruments			7	14	9						
Drugs			60	46	57						
Post and telegrams	6	6	2	1	3	L.E. 220 for dépenses diverses (no details).	1	1	2	2	—
Petty expenses	—	15	5	2	8		11	15	19	15	4
TOTAL	2,121	2,013	611	568	834	508	569 *	1,135	1,144	750	131

* The increase of expenditure to the grant is due to adding 20 % to the salaries pending regrading.

TABLE XXVII.—COMPARISON OF THE COST OF MAINTENANCE OF A PERMANENT
OPHTHALMIC HOSPITAL IN 1914 AND 1925.

	No.	1914.	TOTAL.	No.	1925.	TOTAL.
		L.E.	L.E.		L.E.	L.E.
ART. 1.— <i>Salaries, Wages, and Allowances</i> :—						
A.—Pensionable Staff :—						
Medical Officer	2	336		2	420	
Clerk	1	60		1	90	
Moawin	—	—	396	1	90	600
	3			4		
C.—Hors Cadre Staff :—						
Moawin	1	48		—	—	
Chief attendant	1	36		2	84	
Attendants (male)	2	42		5	150	
Attendants (female)	2	36		2	42	
Cook	1	24		1	42	
Sai	1	18		1	30	
Gardener	—	—		1	30	
Boab	1	18		—	—	
Sundry subordinate staff	3	54	276	—	—	378
	12			12		
E.—Allowance		72	72		—	—
ART. 2.— <i>Transport, Transfer, and Travelling Allowances</i> :—						
Transport		50	50	}	10	80
Transfer					20	
Travelling allowance					50	
			139			371
ART. 3.— <i>Food</i>						
ART. 5.— <i>Rent, Water, Lighting, etc.</i> :—						
Water		30			60	
Lighting		40			40	
Heating... ..		20			30	
Sewage		12	102		—	130
ART. 6.— <i>Books and Periodicals</i>						
			1			—
ART. 7.— <i>Telegrams and Telephones</i> :—						
Telegrams		9	9	{	2	12
Telephones					10	
ART. 8.— <i>Petty Expenses</i>						
			12			20
ART. 11.— <i>Stores</i>						
			300			500
TOTAL... ..						
			1,357			2,091

Statistics of Ophthalmic Treatment in Schools, 1925-1926.

Ophthalmic treatment has been carried out at the Primary Government Schools of Tanta, Asyût, Mansûra, Beni Suef, Zagazig, Damanhûr, Shibîn el Kôm, Sohâg, Minya, Faiyûm, Gîza, Benha, Moharram Bey and Ras el Tin at Alexandria, Abbâsiya and Mohammed Ali at Cairo, and Qena.

TABLE I.—CONDITION OF CONJUNCTIVA.—(a) BEGINNING OF THE YEAR.

SCHOOL.	No Trachoma.	Non-trachomatous conjunctivitis.	TRACHOMA.				TOTAL.
			I.	II.	III.	IV.	
Tanta	34	—	193	116	318	265	926
Per cent	3·67	—	20·84	12·53	34·34	28·62	
Asyût	38	—	44	56	270	136	544
Per cent	6·99	—	8·09	10·29	49·63	25·00	
Mansûra	98	—	213	33	53	198	595
Per cent	16·47	—	35·79	5·55	8·91	33·28	
Beni Suef	37	—	25	48	231	214	555
Per cent	6·67	—	4·50	8·65	41·62	38·56	
Zagazig	40	—	33	64	182	159	478
Per cent	8·37	—	6·90	13·39	38·08	33·26	
Damanhûr	14	—	59	55	167	94	389
Per cent	3·59	—	15·17	14·14	42·93	24·16	
Shibîn el Kôm	9	—	13	27	60	70	179
Per cent	5·03	—	7·26	15·08	33·52	39·11	
Sohâg	4	—	5	33	127	104	273
Per cent	1·47	—	1·83	12·09	46·52	38·09	
Minya	17	—	13	45	139	99	313
Per cent	5·43	—	4·15	14·38	44·41	31·63	
Fayûm	10	—	14	57	179	79	339
Per cent	2·95	—	4·13	16·81	52·80	23·30	
Giza	29	—	13	7	1·5	141	375
Per cent	7·73	—	3·47	1·87	49·33	37·60	
Benha	8	—	49	47	166	88	358
Per cent	2·23	—	13·69	13·13	46·37	24·58	
Moharram Bey	84	—	51	3	60	179	377
Per cent	22·28	—	13·53	0·79	15·92	47·48	
Abbâsiya	41	—	68	39	154	288	590
Per cent	6·05	—	11·53	6·61	26·10	48·81	
Mohammed Aly... ..	22	—	66	32	192	314	626
Per cent	3·51	—	10·54	5·11	30·67	50·16	
Ras el Tin	210	—	197	53	105	300	865
Per cent	24·28	—	22·77	6·13	12·14	34·68	
Qena	13	—	42	52	116	40	263
Per cent	4·94	—	15·97	19·77	44·11	15·21	
TOTAL	708	—	1,098	767	2,704	2,768	8,045
Per cent	8·80	—	13·65	9·53	33·62	34·40	

TABLE I.—CONDITION OF CONJUNCTIVA.—(b) END OF THE YEAR.

SCHOOL.	No Trachoma.	Non-trachomatous conjunctivitis.	TRACHOMA.				TOTAL.
			I.	II.	III.	IV.	
Tanta	21	—	—	—	504	201	726
Per cent	2·89	—	—	—	69·42	27·69	
Asyût	32	—	24	4	306	145	511
Per cent	6·26	—	4·69	0·78	59·88	28·38	
Mansûra	99	—	168	—	76	237	580
Per cent	17·07	—	28·97	—	13·10	40·86	
Beni Suef	35	—	17	12	272	171	507
Per cent	6·90	—	3·35	2·37	53·65	33·73	
Zagazig	33	—	9	4	148	243	437
Per cent	7·55	—	2·06	0·91	33·87	55·61	
Damanhûr	14	—	11	—	247	113	385
Per cent	3·64	—	2·86	—	64·15	29·35	
Shebin el Kôm	8	—	5	—	69	80	162
Per cent	4·94	—	3·09	—	42·59	49·38	
Sohâg	3	—	1	2	132	97	235
Per cent	1·28	—	0·42	0·85	56·17	41·28	
Minya	20	—	—	1	178	114	313
Per cent	6·39	—	—	0·32	56·87	36·42	
Fayûm	4	—	6	1	183	128	322
Per cent	1·24	—	1·86	0·31	56·83	39·75	
Gîza	31	—	2	—	180	155	368
Per cent	8·42	—	0·54	—	48·91	42·12	
Benha	9	—	—	—	255	105	369
Per cent	2·44	—	—	—	69·10	28·46	
Moharram Bey	82	—	—	—	49	182	313
Per cent	26·19	—	—	—	15·65	58·15	
Abbâsiya	51	—	38	3	136	313	601
Per cent	8·49	—	6·32	0·50	32·61	52·08	
Mohammed Aly	21	—	45	2	217	342	627
Per cent	3·35	—	7·18	0·32	34·61	54·54	
Ras el Tin	205	—	—	1	173	432	811
Per cent	25·28	—	—	0·12	21·33	53·27	
Qena	7	—	18	—	165	47	237
Per cent	2·95	—	7·59	—	69·62	19·83	
TOTAL	675	—	344	30	3,350	3,105	7,504
Per cent	9·00	—	4·58	0·40	44·64	41·38	

TABLE IIa.—EFFECT OF TREATMENT ON SERIOUS STAGES OF TRACHOMA.

YEAR.	BEGINNING OF THE YEAR.			END OF THE YEAR.	
	Pupils with any stage of Trachoma.	Pupils with serious stages of Trachoma I and II.		Pupils with serious stages of Trachoma I and II.	
		No.	Per Cent.	No.	Per Cent.
1907-1908	464	289	62·3	—	—
1914-1915	1,553	342	22·0	61	4·0
1916-1917	1,528	327	21·4	48	3·0
1917-1918	1,699	282	16·6	71	4·2
1919-1920	2,454	410	16·7	201	8·2
1920-1921	3,363	643	19·1	290	8·6
1921-1922	5,036	1,369	27·2	580	11·5
1922-1923	6,140	1,982	32·3	892	14·5
1923-1924	6,820	2,115	31·0	835	12·2
1924-1925	7,107	2,442	34·4	722	10·2
1925-1926	7,337	1,865	25·4	374	5·1

TABLE IIb.—STAGES OF TRACHOMA AT BEGINNING AND END OF SCHOOL YEAR.

STAGES OF TRACHOMA.		BEGINNING OF THE YEAR.		END OF THE YEAR.	
		No.	Per Cent.	No.	Per Cent.
Trachoma	I	1,098	14·9	344	5·0
"	II	767	10·5	30	0·4
"	III	2,704	36·9	3,350	49·1
"	IV	2,768	37·7	3,105	45·5

TABLE IIIb.—COMPARISON OF SERIOUS STAGES OF TRACHOMA I AND II (BEGINNING OF THE YEAR).

CLASS.	Total number of pupils.	Total number of serious stages of Tra- choma I and II.	Per Cent.
First Year	1,696	724	42·7
Second „	2,327	640	27·5
Third „	2,211	337	15·2
Fourth „	1,260	123	9·8
Fifth „	551	41	7·4

TABLE IV.—VISION OF ALL PUPILS WITHOUT SPECTACLES.

	TOTAL.	GRAND TOTAL.	Per Cent.
Good Vision :—			
(a) Normal vision in each eye 6/6 and 6/6	1,623		
(b) Vision 6/6 and 6/9, or 6/9 and 6/9	1,872	3,495	43·44
Fair Vision :—			
(a) Vision 6/6 and 6/12, 6/9 and 6/12, 6/12 and 6/12... ..	1,585		
(b) Vision 6/6 and 6/18	187	1,772	22·03
Bad Vision :—			
Fails to attain any of the above standards	2,778	2,778	34·53
TOTAL	8,045	8,045	

TABLE V.—SPECTACLES ORDERED.

	Tanta.	Asyût.	Mansûra.	Beni Suef.	Zagazig.	Damauhûr.	Shebin el Kôm.	Sohâg.	Minya.	Faiyûm.	Giza.	Benha.	Moharram Bey.	Abbâsiya.	Mohammed Aly.	Ras el Tin.	Qena.	TOTAL.
No. of pupils now attending obtained spectacles in previous years	16	14	37	16	11	25	12	13	11	21	15	18	16	23	25	30	16	319
No. of pupils now attending obtained spectacles in this year	—	2	7	6	—	4	1	17	4	5	6	25	—	9	2	—	2	90
No. of pupils now attending ordered spectacles but not yet obtained	38	7	2	6	12	—	—	3	—	—	—	3	4	—	—	17	1	93
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL	54	23	46	28	23	29	13	33	15	26	21	46	20	32	27	47	19	502
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spectacles on order or under repair	41	7	2	6	12	—	—	3	—	—	—	3	7	—	—	29	1	111
Number of pupils wearing spectacles on date of general inspection	8	8	30	18	11	29	13	27	14	23	21	40	13	27	26	15	15	338
Net number not wearing spectacles which were previously ordered	5	8	14	4	—	—	—	3	1	3	—	3	—	5	1	3	3	53

TABLE VI.—NUMBER OF PUPILS ORDERED SPECTACLES WHO BY USE OF SPECTACLES NOT GREATER IN STRENGTH THAN ± 6 D. CAN GET GOOD OR FAIR VISION.

	TOTAL.	GRAND TOTAL.	Per Cent*
Good vision :—			
(a) Normal vision in each eye 6/6 and 6/6... ..	40	110	21·9
(b) Vision 6/6 and 6/9 or 6/9 and 6/9	70		
Fair Vision :—			
(a) Vision 6/6 and 6/12 or 6/9 and 6/12 or 6/12 and 6/12 ...	143	163	32·5
(b) Vision 6/6 and 6/18... ..	20		

* The percentage is taken in relation to the number of all pupils ordered spectacles (i.e. 502). See Table V.

TABLE VII.—CONDITION OF CORNEA BEFORE TREATMENT.

SCHOOL.	Both Corneæ clear.	One cornea clear the other showing opacity.	Opacity of both corneæ.
Tanta	792	104	30
Asyût	479	49	16
Mansûra... ..	525	47	23
Beni Suef	516	31	8
Zagazig	407	49	22
Damanhûr	344	35	10
Shibîn el Kôm	139	21	19
Sohâg	234	25	14
Minya	279	22	12
Faiyûm	308	29	2
Giza	331	24	20
Benha	308	36	14
Moharram Bey	363	12	2
Abbâsiya	564	14	12
Muhammad Aly	597	17	12
Ras El Tin	817	34	14
Qena	201	44	18
TOTAL	7,204	593	248
Per cent ...	89·55	7·37	3·08

TABLE VIII.—COMPARISON OF CORNEAL OPACITY AMONG PUPILS OF TANTA PRIMARY SCHOOL IN THE YEAR 1914-15 AND 1925-26.

YEAR.	Both corneæ clear.	One cornea clear, the other showing opacity.	Opacity of both corneæ.
1914-15	173	54	33
1925-26	792	104	30

